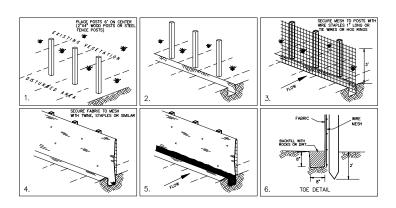
BMP: Silt Fence



# DESCRIPTION:

A temporary sediment barrier consisting of entrenched filter fabric stretched across and secured to supporting posts.

#### APPLICATION:

- Perimeter control: place barrier at downgradient limits of disturbance
- Sediment barrier: place barrier at toe of slope or soil stockpile
- Protection of existing waterways: place barrier near top of stream bank
- Inlet protection: place fence surrounding catchbasins

## INSTALLATION/APPLICATION CRITERIA:

- Place posts 6 feet apart on center along contour (or use preassembled unit) and drive 2 feet minimum into ground. Excavate an anchor trench immediately upgradient of posts.
- Secure wire mesh (14 gage min. With 6 inch openings) to upslope side of posts.
   Attach with heavy duty 1 inch long wire staples, tie wires or hog rings.
- Cut fabric to required width, unroll along length of barrier and drape over barrier.
   Secure fabric to mesh with twine, staples, or similar, with trailing edge extending into anchor trench.
- Backfill trench over filter fabric to anchor.

## LIMITATIONS:

- ► Recommended maximum drainage area of 0.5 acre per 100 feet of fence
- Recommended maximum upgradient slope length of 150 feet
- Recommended maximum uphill grade of 2:1 (50%)
- Recommended maximum flow rate of 0.5 cfs
- Ponding should not be allowed behind fence

#### MAINTENANCE:

- Inspect immediately after any rainfall and at least daily during prolonged rainfall.
- Look for runoff bypassing ends of barriers or undercutting barriers.
- Repair or replace damaged areas of the barrier and remove accumulated sediment.
- Reanchor fence as necessary to prevent shortcutting.
- Remove accumulated sediment when it reaches ½ the height of the fence.

#### **OBJECTIVES**

- □ Housekeeping Practices
- □ Contain Waste
- □ Minimize Disturbed Areas
- □ Stabilize Disturbed Areas
- ☑ Protect Slopes/Channels
- □ Control Site Perimeter
- ☑ Control Internal Erosion



ADAPTED FROM SALT LAKE COUNTY BMP FACTSHEET

### TARGETED POLLUTANTS

- Sediment
- □ Nutrients
- □ Toxic Materials
- □ Oil & Grease
- □ Floatable Materials
- □ Other Waste
- High Impact
- ☐ Low or Unknown Impact

## IMPLEMENTATION REQUIREMENTS

- □ Capital Costs
- Maintenance
- Training
- High 

  Medium
- □ Low